

AMENDED SPECIFICATION TEXT
INCORPORATING AMENDMENTS
IN RESPONSE TO OFFICE ACTION DATED June 17, 2004
FOR SERIAL NO. 10/685,214

1. The Paragraph starting with the line "Detailed Description of the Invention" on Page 4 of Applicant's original specification should read as follows:

Detailed Description of the Invention

The present invention is a moldable and castable material, thereby making it ideal as a refractory. The refractory formulation is comprised of an alkali metal or alkali earth metal phosphate, preferably KH_2PO_4 , a metal oxide (or hydroxide), preferably MgO , and a calcium containing compound like tricalcium phosphate, $\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$, Ca SiO_3 , or combinations thereof. ~~Preferably an alkali earth metal phosphate.~~ The ratio between the metal phosphate (i.e. KH_2PO_4) and the metal oxide (i.e. MgO) being between 2:0.5 and 1:1.

2. The Paragraph starting with the line "Formulation II*" on Page 5 of Applicant's original specification should read as follows:

Formulation II*

Potassium phosphate (technical grade-30 microns)	61 percent
Magnesium Oxide (technical grade-30 microns)	31 percent
Tricalcium Phosphate <u>$\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$</u>	8 percent